

Patent Abstracts of Japan

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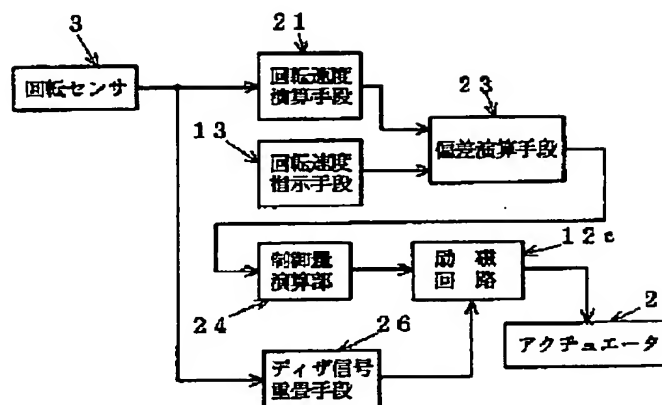
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TITLE : SPEED CONTROL SYSTEM FOR
INTERNAL COMBUSTION ENGINE



ABSTRACT : PROBLEM TO BE SOLVED: To control engine speed in a stable manner without being affected by a dead zone of an actuator for adjusting fuel supply to an engine.

SOLUTION: In this control system, exciting current for an actuator 2 for operating fuel supply adjustment means of an internal combustion engine has a constant oscillatory width with its center coincident with a level defining the center of a dead zone width. The control system provides exciting current having a constant phase relationship with relation to pulsation of a rotational speed generated during a combustion cycle of the internal combustion engine. Further, dither signal superposing means 26 is provided to superpose the dither signal current on the exciting current of the actuator 2.

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